DIRECT THERMAL IMAGING ON PLASTIC FILM

JOHN FINGER

ABSTRACT

The present invention provides a means to produce an image in gray scale on a film using direct thermal imaging, and preferably near infrared direct thermal imaging. The present invention provides a multi-layered, laminated, non-cavitated film that has proper surface characteristics and heat transfer properties by virtue of the proper combination of polymeric layers and coatings, in particular, the active direct thermal coating, and topcoat which produce direct thermal imaging with gray scale. Such a film may be used for temporary personal identification devices, for instance, hospital wristbands and backstage passes, and may incorporate bar code data, photographs as well as other pertinent data.

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